

**AMENDMENTS TO THE SPECIFICATION**

Page 1, immediately following the title "Stem cells having increased sensitivity to a chemoattractant and methods of generating and using same," please insert the following paragraph:

This application is a U.S. National Phase Application pursuant to 35 U.S.C. 371 of International Application No. PCT/IL2004/000314, which was filed April 7, 2004, claiming benefit of priority of Israel Patent Application No. 155302, which was filed April 8, 2003, and Israel Patent Application No. 159306, which was filed December 10, 2003. The entire disclosure of each of the foregoing applications is incorporated herein by reference.

Page 49, immediately after claim 62, please insert a new page containing the following abstract of the application:

**ABSTRACT**

The present invention relates to stem cells which exhibit increased sensitivity to a chemoattractant and, more particularly, to methods of generating and using them such as in clinical applications involving stem cell transplantation.